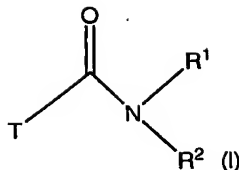


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We Claim:

1. A compound of formula (I):



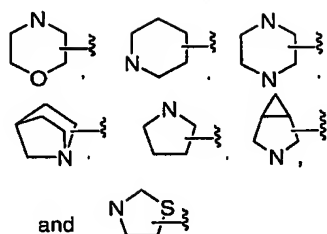
wherein;

- 5  $R^1$  is independently selected from the group consisting of  $(C_1-C_6)$ alkyl,  $-(CR^4R^5)_k(C_3-C_{12})$ cycloalkyl,  $-(CR^4R^5)_l(C_6-C_{12})$ aryl, and  $-(CR^4R^5)_i(4 \text{ to } 10)$ -membered heterocyclyl;  
 $k$  is independently selected from 1 or 2;  
 $j$  is independently selected from the group consisting of 0, 1, and 2;  
 $t, u, p, q$  and  $v$  are each independently selected from the group consisting of 0, 1, 2, 3, 4, and 5;  
10  $T$  is a  $(4 \text{ to } 10)$ -membered heterocyclyl containing at least one nitrogen atom, wherein said nitrogen atom is optionally substituted by at least one  $R^3$  group;  
 $R^2$  is selected from H or  $(C_1-C_6)$ alkyl;  
each  $R^3$  group is independently selected from the group consisting of  $-CF_3$ ,  $-CHF_2$ ,  $-CH_2F$ , trifluoromethoxy,  $(C_1-C_6)$ alkoxy,  $(C_1-C_6)$ alkyl,  $(C_2-C_6)$ alkenyl,  $(C_2-C_6)$ alkynyl,  $-(C=O)-R^4$ ,  
15  $-(C=O)-O-R^4$ ,  $-(CR^4R^5)_l(C_6-C_{12})$ aryl,  $-(CR^4R^5)_i(C_3-C_{12})$ cycloalkyl,  $-(CR^4R^5)_j(4 \text{ to } 10)$ -membered heterocyclyl,  $-(CR^4R^5)_k-(C=O)(CR^4R^5)_l(C_6-C_{12})$ aryl, and  $-(CR^4R^5)_m-(C=O)(CR^4R^5)_n(4 \text{ to } 10)$ -membered heterocyclyl;  
each  $R^4$  and  $R^5$  group is independently selected from H or  $(C_1-C_6)$ alkyl;  
any nitrogen atom of any  $(4 \text{ to } 10)$ -membered heterocyclyl of the foregoing  $R^3$  group is optionally  
20 substituted with a substituent independently selected from the group consisting of  $(C_1-C_6)$ alkyl,  $-(SO)_k-R^4$ ,  $-(C=O)-O-R^4$ , and  $-(C=O)-R^4$ ;  
each carbon atom of  $T$ ,  $R^1$ ,  $R^2$  and  $R^3$  is optionally substituted by 1 to 4  $R^6$  groups;  
each  $R^6$  group is independently selected from the group consisting of halo, cyano, nitro,  $-CF_3$ ,  $-CHF_2$ ,  $-CH_2F$ , trifluoromethoxy, azido, hydroxy,  $(C_1-C_6)$ alkoxy,  $(C_1-C_6)$ alkyl,  $(C_2-C_6)$ alkenyl,  
25  $(C_2-C_6)$ alkynyl,  $-(C=O)-R^7$ ,  $-(C=O)-O-R^7$ ,  $-O-R^7$ ,  $-O-(C=O)-R^7$ ,  $-O-(C=O)-NR^7R^8$ ,  $-NR^8-((C=O)-R^9)$ ,  $-(C=O)NR^8R^9$ ,  $-NR^8R^9$ ,  $-NR^8-(OR^9)$ ,  $-NR^8-((C=O)-O-R^9)$ ,  $-S(O)_k-NR^8R^9$ ,  $-S(O)_k-R^8$ ,  $-O-S(O)_k-R^8$ ,  $-NR^8-S(O)_k-R^9$ ,  $-(CR^{10}R^{11})_v(C_6-C_{12})$ aryl,  $-(CR^{10}R^{11})_v(C_3-C_{12})$ cycloalkyl,  
 $-(CR^{10}R^{11})_v(4 \text{ to } 10)$ -membered heterocyclyl,  $-(CR^{10}R^{11})_q(C=O)(CR^{10}R^{11})_v(C_6-C_{12})$ aryl,  
 $-(CR^{10}R^{11})_q(C=O)(CR^{10}R^{11})_v(C_3-C_{12})$ cycloalkyl,  $-(CR^{10}R^{11})_q(C=O)(CR^{10}R^{11})_v(4 \text{ to } 10)$ -membered  
30 heterocyclyl,  $-(CR^{10}R^{11})_vO(CR^{10}R^{11})_q(C_6-C_{12})$ aryl,  $-(CR^{10}R^{11})_vO(CR^{10}R^{11})_q(C_3-C_{10})$ cycloalkyl,  
 $-(CR^{10}R^{11})_vO(CR^{10}R^{11})_q(4 \text{ to } 10)$ -membered heterocyclyl,  $-(CR^{10}R^{11})_qS(O)_l(CR^{10}R^{11})_v(C_6-C_{12})$ aryl,  
 $-(CR^{10}R^{11})_qS(O)_l(CR^{10}R^{11})_v(C_3-C_{12})$ cycloalkyl, and  $-(CR^{10}R^{11})_qS(O)_l(CR^{10}R^{11})_v(4 \text{ to } 10)$ -membered  
heterocyclyl;  
any 1 or 2 carbon atoms of any  $(4 \text{ to } 10)$ -membered heterocyclyl moiety of the foregoing  $R^6$   
35 groups are optionally substituted with an oxo group;

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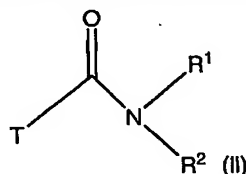
- any carbon atom of any (C<sub>1</sub>-C<sub>8</sub>)alkyl, any (C<sub>6</sub>-C<sub>12</sub>)aryl, any (C<sub>3</sub>-C<sub>10</sub>)cycloalkyl, or any (4 to 10)-membered heterocyclyl of the foregoing R<sup>6</sup> groups are optionally substituted with 1 to 3 substituents independently selected from the group consisting of halo, cyano, nitro, -CF<sub>3</sub>, -CFH<sub>2</sub>, -CF<sub>2</sub>H, trifluoromethoxy, azido, -O-R<sup>12</sup>, -(C=O)-R<sup>12</sup>, -(C=O)-O-R<sup>12</sup>, -O-(C=O)-R<sup>13</sup>, -NR<sup>13</sup>-(C=O)-R<sup>14</sup>,  
 5 -(C=O)NR<sup>14</sup>R<sup>15</sup>, -NR<sup>14</sup>R<sup>15</sup>, -NR<sup>14</sup>-(OR<sup>15</sup>), (C<sub>1</sub>-C<sub>8</sub>)alkyl, (C<sub>2</sub>-C<sub>6</sub>)alkenyl, (C<sub>2</sub>-C<sub>6</sub>)alkynyl, -(CR<sup>16</sup>R<sup>17</sup>)<sub>u</sub>(C<sub>6</sub>-C<sub>12</sub>)aryl, -(CR<sup>16</sup>R<sup>17</sup>)<sub>u</sub>(C<sub>3</sub>-C<sub>12</sub>)cycloalkyl, and -(CR<sup>16</sup>R<sup>17</sup>)<sub>u</sub>(4 to 10)-membered heterocyclyl;  
 each R<sup>7</sup>, R<sup>8</sup>, R<sup>9</sup>, R<sup>10</sup>, R<sup>11</sup>, R<sup>12</sup>, R<sup>13</sup>, R<sup>14</sup>, R<sup>15</sup>, R<sup>16</sup> and R<sup>17</sup> group is independently selected from the group consisting of H, (C<sub>1</sub>-C<sub>8</sub>)alkyl, -(C=O)NH(R<sup>18</sup>), -(CR<sup>18</sup>R<sup>19</sup>)<sub>p</sub>(C<sub>6</sub>-C<sub>12</sub>)aryl, -(CR<sup>18</sup>R<sup>19</sup>)<sub>p</sub>(C<sub>3</sub>-C<sub>12</sub>)cycloalkyl, and -(CR<sup>18</sup>R<sup>19</sup>)<sub>p</sub>(4 to 10)-membered heterocyclyl;  
 10 any 1 or 2 carbon atoms of the (4 to 10)-membered heterocyclyl of said each R<sup>7</sup>, R<sup>8</sup>, R<sup>9</sup>, R<sup>10</sup>, R<sup>11</sup>, R<sup>12</sup>, R<sup>13</sup>, R<sup>14</sup>, R<sup>15</sup>, R<sup>16</sup> and R<sup>17</sup> group is optionally substituted with an oxo group;  
 any carbon atoms of any (C<sub>1</sub>-C<sub>8</sub>)alkyl, any (C<sub>6</sub>-C<sub>12</sub>)aryl, any (C<sub>3</sub>-C<sub>12</sub>)cycloalkyl or any (4 to 10)-membered heterocyclyl of the foregoing R<sup>7</sup>, R<sup>8</sup>, R<sup>9</sup>, R<sup>10</sup>, R<sup>11</sup>, R<sup>12</sup>, R<sup>13</sup>, R<sup>14</sup>, R<sup>15</sup>, R<sup>16</sup> and R<sup>17</sup> groups are optionally substituted with 1 to 3 substituents independently selected from the group consisting  
 15 of halo, cyano, nitro, -NR<sup>20</sup>R<sup>21</sup>, -CF<sub>3</sub>, -CHF<sub>2</sub>, -CH<sub>2</sub>F, hydroxy, trifluoromethoxy, (C<sub>1</sub>-C<sub>8</sub>)alkyl, (C<sub>2</sub>-C<sub>6</sub>)alkenyl, (C<sub>2</sub>-C<sub>6</sub>)alkynyl, and (C<sub>1</sub>-C<sub>8</sub>)alkoxy;  
 each R<sup>18</sup>, R<sup>19</sup>, R<sup>20</sup>, and R<sup>21</sup> group is independently selected from H or (C<sub>1</sub>-C<sub>8</sub>)alkyl;  
 and wherein any of the above mentioned substituents comprising a -CH<sub>3</sub> (methyl), -CH<sub>2</sub> (methylene), or -CH (methine) group which is not attached to a halo, -SO or -SO<sub>2</sub> group, or to a N, O or S  
 20 atom optionally bears on said group a substituent independently selected from hydroxy, halo, -(C<sub>1</sub>-C<sub>8</sub>)alkyl, -(C<sub>1</sub>-C<sub>8</sub>)alkoxy, -NH<sub>2</sub>, -NH((C<sub>1</sub>-C<sub>8</sub>)(alkyl)) and -N((C<sub>1</sub>-C<sub>8</sub>)(alkyl))<sub>2</sub>;  
 or a pharmaceutically acceptable salt or solvate thereof.
2. The compound according to claim 1, wherein T is a (5 to 7)-membered heterocyclyl containing at least one nitrogen atom.
- 25 3. The compound according to claim 2, wherein R<sup>2</sup> is H or methyl.
4. The compound according to claim 3, wherein R<sup>1</sup> is independently selected from the group consisting of adamantyl, benzyl, cyclohexyl, 2,3-dihydro-1H-inden-2-yl, -CH<sub>2</sub>-pyridinyl, naphthalenyl, -CH<sub>2</sub>CH<sub>2</sub>-morpholinyl, azabicyclo(2.2.1)heptyl, bicyclo(2.2.1)heptyl, cycloheptyl, -CH<sub>2</sub>-cyclopentyl, pentacyclo(4.2.0.0<sup>2,5</sup>.0<sup>3,8</sup>.0<sup>4,7</sup>)octyl, tetrahydronaphthalenyl, and naphthyridinyl;  
 30 wherein each carbon atom is optionally substituted by 1 to 4 R<sup>6</sup> groups, each R<sup>6</sup> group is independently selected from the group consisting of halo, cyano, -CF<sub>3</sub>, trifluoromethoxy, hydroxy, (C<sub>1</sub>-C<sub>8</sub>)alkoxy, (C<sub>1</sub>-C<sub>8</sub>)alkyl, -O-R<sup>7</sup>, -(C=O)-R<sup>7</sup>, -(C=O)-O-R<sup>7</sup>, -O-(C=O)-NR<sup>7</sup>R<sup>8</sup>, -NR<sup>8</sup>R<sup>9</sup>, -NR<sup>8</sup>-(C=O)-R<sup>9</sup>, -NR<sup>8</sup>-(C=O)-O-R<sup>9</sup>, -NR<sup>8</sup>-(S(O)<sub>k</sub>-R<sup>9</sup>), and -(C=O)-NR<sup>8</sup>R<sup>9</sup>.
- 35 5. The compound according to claim 2, wherein T independently selected from the group consisting of

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wherein said nitrogen atom is optionally substituted by at least one  $R^3$  group, wherein each said  $R^3$  group is independently selected from the group consisting of  $(C_1-C_6)$ alkyl,  $-(CR^4R^5)_i(C_6-C_{12})$ aryl,  $-(CR^4R^5)_i(C_3-C_{12})$ cycloalkyl,  $-CF_3$ ,  $(C_1-C_6)$ alkoxy,  $-(C=O)-O-R^4$ , and  $-(CR^4R^5)_i(4 \text{ to } 10)$ -membered heterocyclyl.

6. A compound of formula (II):



wherein;

- $R^1$  is independently selected from the group consisting of  $-(CR^4R^5)_i(C_3-C_{12})$ cycloalkyl,  $-(CR^4R^5)_i(C_6-C_{12})$ aryl, and  $-(CR^4R^5)_i(4 \text{ to } 10)$ -membered heterocyclyl;
- $k$  is independently selected from 1 or 2;
- $j$  is independently selected from the group consisting of 0, 1, and 2;
- $t$ ,  $u$ ,  $p$ ,  $q$  and  $v$  are each independently selected from the group consisting of 0, 1, 2, 3, 4, and 5;
- $T$  is a (5 to 7) -membered heterocyclyl containing at least one nitrogen atom, wherein said nitrogen atom is optionally substituted by at least one  $R^3$  group;
- $R^2$  is selected from H or methyl;
- each  $R^3$  is independently selected from the group consisting of  $(C_1-C_6)$ alkyl,  $-(CR^4R^5)_i(C_6-C_{12})$ aryl,  $-(CR^4R^5)_i(C_3-C_{12})$ cycloalkyl,  $-(CR^4R^5)_i(4 \text{ to } 10)$ -membered heterocyclyl,  $-CF_3$ ,  $(C_1-C_6)$ alkoxy, and  $-(C=O)-O-R^4$ ;
- each  $R^4$  and  $R^5$  group is independently selected from H or  $(C_1-C_6)$ alkyl;
- any nitrogen atom of any (4 to 10)-membered heterocyclyl of the foregoing  $R^3$  group is optionally substituted with a substituent independently selected from the group consisting of  $(C_1-C_6)$ alkyl,  $-(SO)_k-R^4$ ,  $-(C=O)-O-R^4$ ,  $-(C=O)-R^4$ ;
- each carbon atom of  $T$ ,  $R^1$ ,  $R^2$  and  $R^3$  is optionally substituted by 1 to 3  $R^6$  groups;
- each  $R^6$  group is independently selected from the group consisting of halo, cyano,  $-CF_3$ , trifluoromethoxy, hydroxy,  $(C_1-C_6)$ alkoxy,  $(C_1-C_6)$ alkyl,  $-O-R^7$ ,  $-(C=O)-R^7$ ,  $-(C=O)-O-R^7$ ,  $-O-(C=O)-NR^8R^9$ ,  $-NR^8R^9$ ,  $-NR^8-((C=O)R^9)$ ,  $-NR^8-((C=O)-O-R^9)$ ,  $-NR^8-(S(O)_k-R^9)$ ,  $-(C=O)-NR^8R^9$ ;
- any 1 or 2 carbon atoms of any (4 to 10)-membered heterocyclyl moiety of the foregoing  $R^6$  groups are optionally substituted with an oxo group;
- any carbon atom of any  $(C_1-C_6)$ alkyl of the foregoing  $R^6$  groups are optionally substituted with 1 to 3 substituents independently selected from the group consisting of halo, cyano,  $-CF_3$ ,

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$-O-R^{10}$ ,  $(C_1-C_6)alkyl$ ,  $NR^{10}R^{11}$ , and  $-(C=O)-NR^{11}R^{12}$ ;

each  $R^7$ ,  $R^8$ ,  $R^9$ ,  $R^{10}$ ,  $R^{11}$ , and  $R^{12}$  group is independently selected from H,  $-(C_1-C_6)alkyl$ ;

any carbon atoms of any  $(C_1-C_6)alkyl$  of the foregoing  $R^7$ ,  $R^8$ ,  $R^9$ ,  $R^{10}$ ,  $R^{11}$ , and  $R^{12}$  groups are optionally substituted with 1 to 3 substituents independently selected from halo, cyano, nitro,  $-NR^{13}R^{14}$ ,

- 5  $-CF_3$ ,  $-CHF_2$ ,  $-CH_2F$ , trifluoromethoxy,  $(C_1-C_6)alkyl$ ,  $(C_2-C_6)alkenyl$ ,  $(C_2-C_6)alkynyl$ , hydroxy, and  $(C_1-C_6)alkoxy$ ;

each  $R^{13}$  and  $R^{14}$  group is independently selected from H or  $(C_1-C_6)alkyl$ ;

and wherein any of the above-mentioned substituents comprising a  $-CH_3$  (methyl),  $-CH_2$  (methylene), or  $-CH$  (methine) group which is not attached to a halo,  $-SO$  or  $-SO_2$  group or to a N, O or S

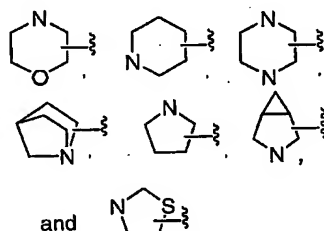
- 10 atom optionally bears on said group a substituent independently selected from hydroxy, halo,

$-(C_1-C_6)alkyl$ ,  $-(C_1-C_6)alkoxy$ ,  $-NH_2$ ,  $-NH((C_1-C_6)alkyl)$  and  $-N((C_1-C_6)alkyl)_2$ ;

or a pharmaceutically acceptable salt or solvate thereof.

7. The compound according to claim 6, wherein T independently selected from the group consisting of

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wherein said nitrogen atom is optionally substituted by at least one  $R^3$  group, wherein each said  $R^3$  group is independently selected from the group consisting of  $(C_1-C_6)alkyl$ ,  $-(CR^4R^5)_i(C_6-C_{12})aryl$ ,  $-CF_3$ ,

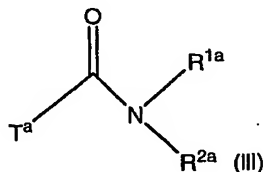
$(C_1-C_6)alkoxy$ ,  $-(C=O)-O-R^4$ ,  $-(CR^4R^5)_i(C_3-C_{12})cycloalkyl$ , and  $-(CR^4R^5)_i(4 \text{ to } 10)\text{-membered heterocycl}$ .

- 20 8. The compound according to claim 6, wherein  $R^2$  is H or methyl.

9. The compound according to claim 8, wherein  $R^1$  is independently selected from the group consisting of adamantyl, benzyl, cyclohexyl, 2,3-dihydro-1H-inden-2-yl,  $-CH_2$ -pyridinyl, naphthalenyl,  $-CH_2CH_2$ -morpholinyl, azabicyclo(2.2.1)heptyl, bicyclo(2.2.1)heptyl, cycloheptyl,  $-CH_2$ -cyclopentyl, pentacyclo(4.2.0.0<sup>2,5</sup>.0<sup>3,8</sup>.0<sup>4,7</sup>)octyl, tetrahydronaphthalenyl, and naphthyridinyl;

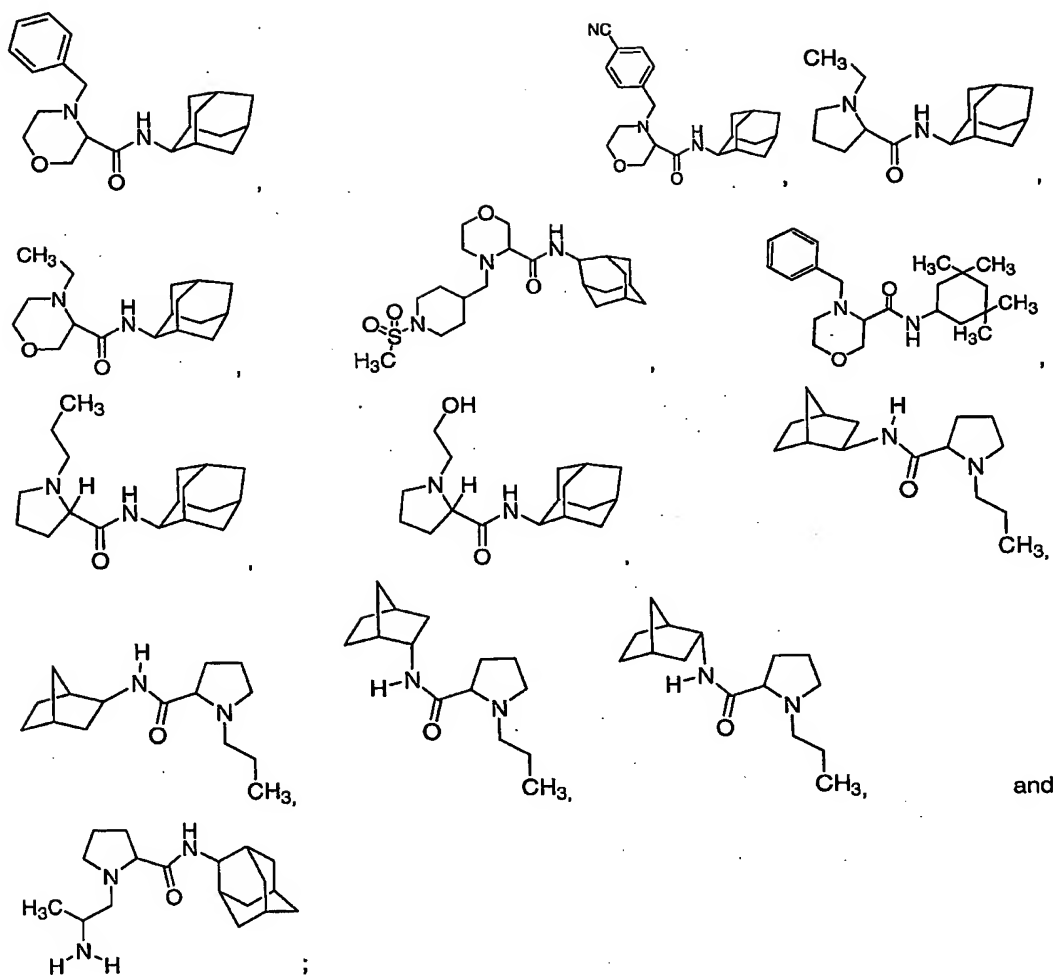
- 25 wherein each carbon atom is optionally substituted by 1 to 4  $R^6$  groups, each  $R^6$  group is independently selected from the group consisting of halo, cyano,  $-CF_3$ , trifluoromethoxy, hydroxy,  $(C_1-C_6)alkoxy$ ,  $(C_1-C_6)alkyl$ ,  $-O-R^7$ ,  $-(C=O)-R^7$ ,  $-(C=O)-O-R^7$ ,  $-O-(C=O)-NR^7R^8$ ,  $-NR^8R^9$ ,  $-NR^8-(C=O)-R^9$ ,  $-NR^8-(C=O)-O-R^9$ ,  $-NR^8-(S(O)_k-R^9)$ , and  $-(C=O)-NR^8R^9$ .

- 30 10. A compound of formula (III):



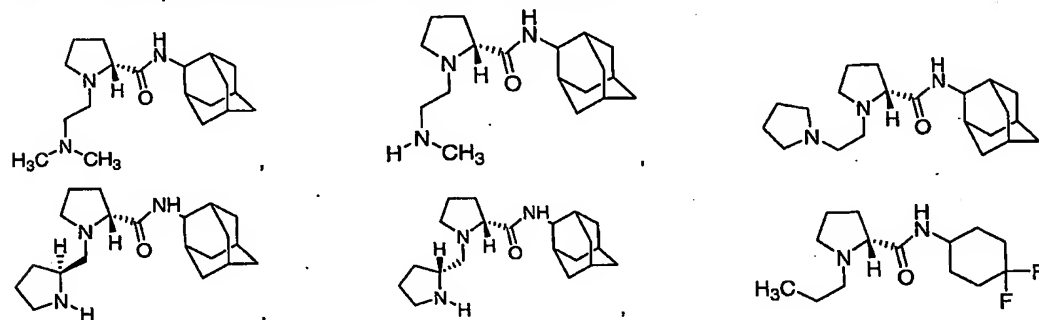


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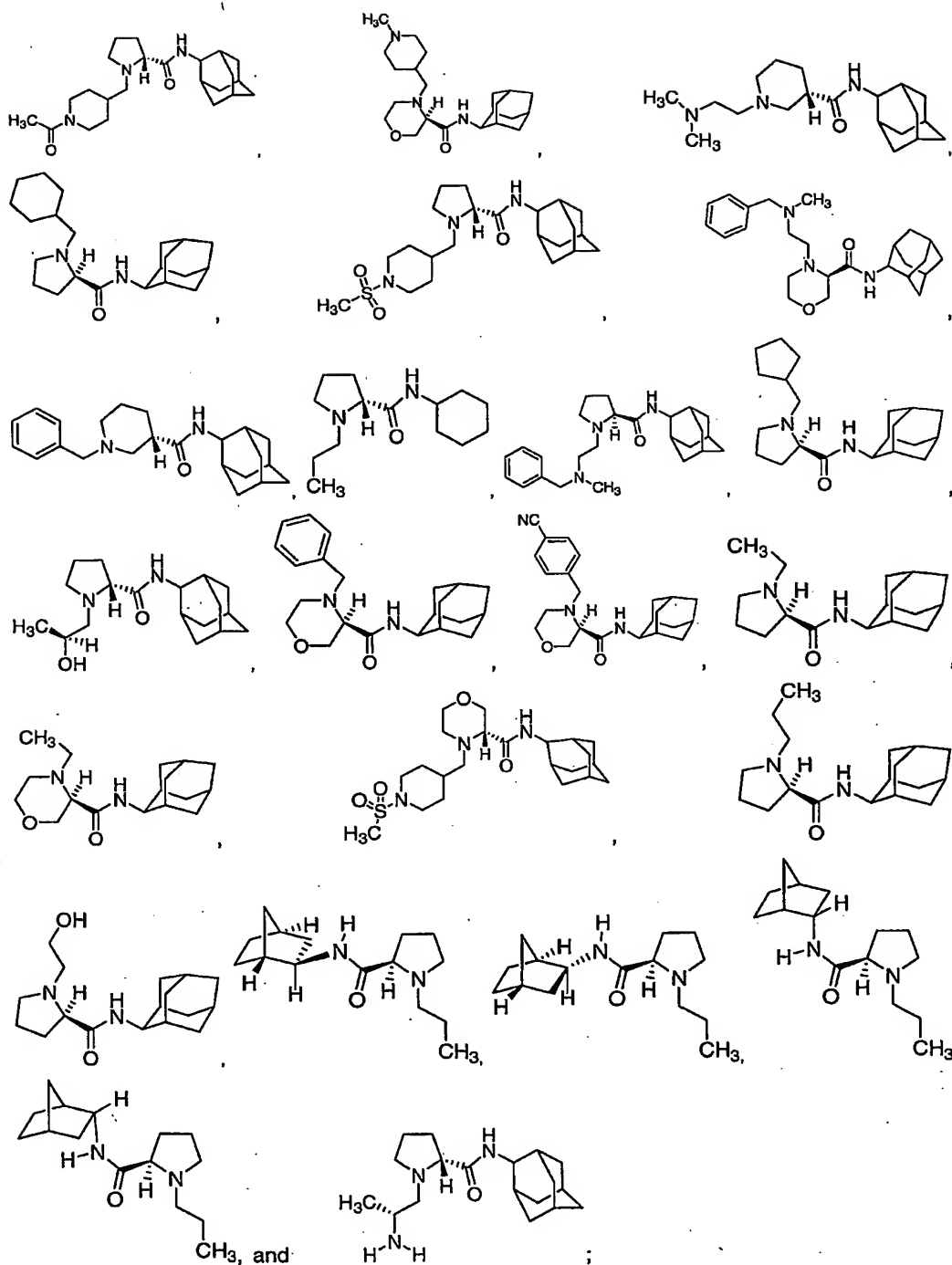


or a pharmaceutically acceptable salt or solvate thereof.

12. A compound selected from the group consisting of:



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14. A method of treating a condition that is mediated by the modulation of the 11- $\beta$ -hsd-1 enzyme, the method comprising administering to a mammal an effective amount of a compound according to claim 1, or a pharmaceutically acceptable salt or solvate thereof.

5 15. A method of treating diabetes, metabolic syndrome, insulin resistance syndrome, obesity, glaucoma, hyperlipidemia, hyperglycemia, hyperinsulinemia, osteoporosis, tuberculosis, atherosclerosis, dementia, depression, viral diseases, ophthalmic disorders, inflammatory disorders, or diseases in which the liver is a target organ, the method comprising administering to a mammal an effective amount of a compound according to claim 1, or a pharmaceutically acceptable salt or solvate thereof.

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